1030-37-168 **Andrew Dykstra*** (dykstraa@math.umd.edu), Colorado State University, Department of Mathematics, 1874 Campus Delivery, Fort Collins, CO 80523-1874, and **Joseph Barth**. *Weak equivalence for shifts of finite type.*

We consider an equivalence relation on subshifts, called weak equivalence, which was introduced and studied by Beal and Perrin. Extending their work, we classify arbitrary shifts of finite type up to weak equivalence. The classification hinges on solving a related problem: given shifts of finite type S and T, when does there exist a continuous, shift commuting map from S into T? (Received July 31, 2007)